

In the Abstract (Clean copy as amended)

A²

This invention concerns DNA and peptide sequences encoding a novel mammalian secreted group XII phospholipase A₂ wherein said enzyme contains a potential Ca²⁺ binding segment (SEQ ID NO: 8) GCGSP and more particularly, a novel human group XII phospholipase A₂. The invention also concerns the use of this enzyme in methods for screening various chemical compounds.